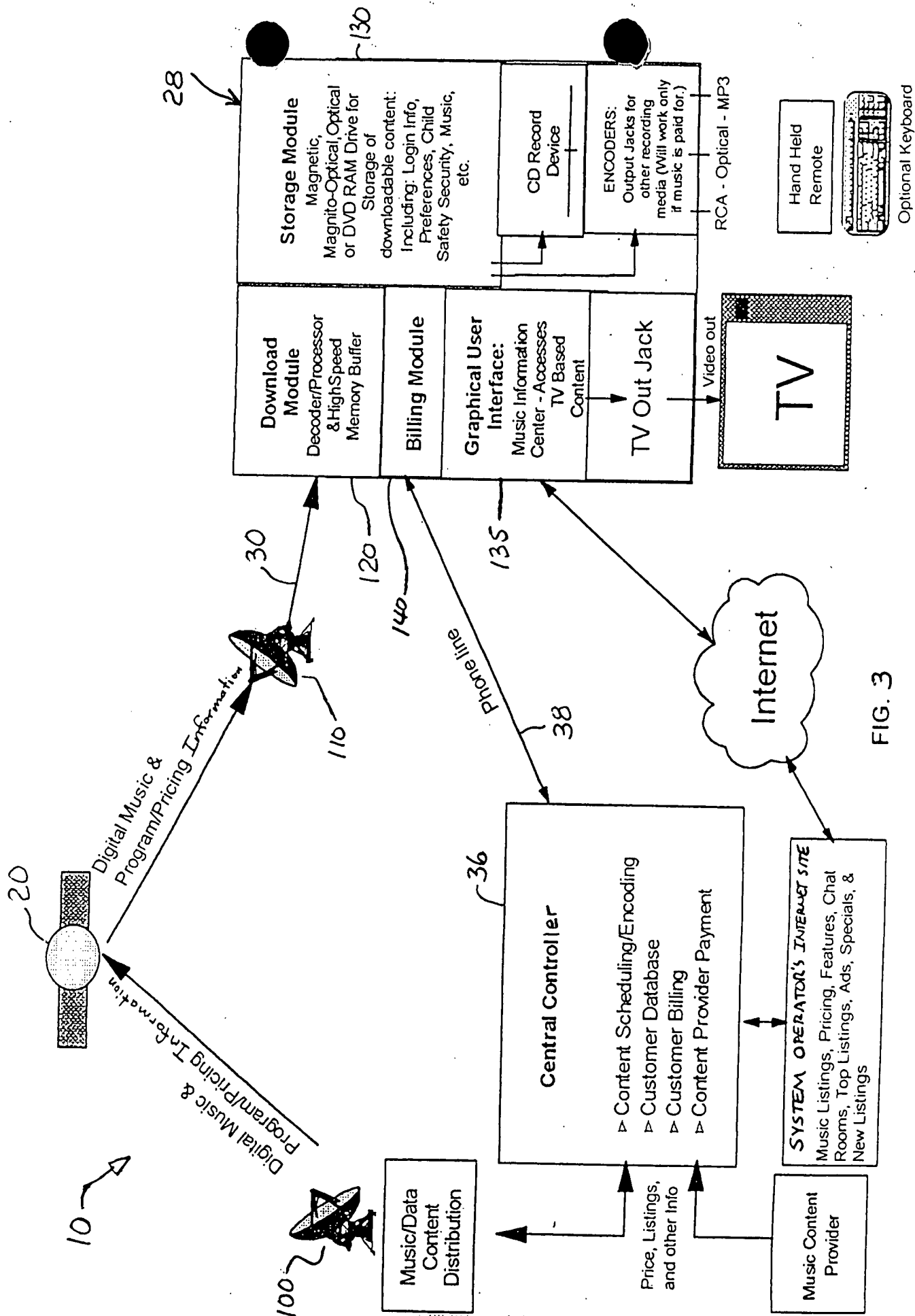


Step	Mode Name	Description	Hardware Involved
1	Selection	Customer looks at recently updated "catalog" of available music selections on his TV using the graphical user interface. Use remote to page through information.	User station, remote, customer TV, stored catalog
2	Ordering	Customer uses user station, remote and TV screen to order standard or customized CD. Order communicated to central controller by Internet or modem. Central controller issues decoding and encryption key(s), selection locations and order number to user station for preview.	User station, modem/Internet, remote, customer TV
3	Downloading	Music selections are downloaded during early morning transmission hours as encrypted, compressed files through customer's satellite dish and receiver to hard disk in user station. User station selects correct TV channel on receiver using IR link.	User station, satellite receiver, video output interface
4	Decoding	User station uses decoding key(s) to decode downloaded file(s) so that full quality music is on disk drive (or other storage medium) in user station. Customer order number is hidden within this music based upon encryption information received during ordering process.	User station
5	Previewing	Brief portions of downloaded selections may be "previewed" by the customer along with the entire selection that has been "hobbled" by removing information to degrade music quality and prevent reconstruction of music.	User station, remote, customer's amp, speakers and TV
6	Playing	Customer plays full-quality selection through his hi-fi or TV sound system with post billing back his account via later modem/Internet communication with the central controller. Playing may include graphics, written jacket information, or hearing impaired cues shown on customer's TV.	User station, remote, customer's amp, speakers and TV
7	CD Delivery	Full-quality CD that can be heard on any CD player is burned with order number (ID tag) hidden in the music. (Burning process does not need to be quick.)	User station, CD burner, customer supplied CD
	Account Setup	Happens when customer buys and hooks up the user station.	

Fig. 2




```
graph TD; MSO[Music Distribution System Operator]; DTP[Data Transmission Provider (E.G., DBS)]; CP[Content Providers]; C[Consumers]; MSO -- "$" --> DTP; DTP -- "Blanket Transmission of Music" --> C; CP -- "Content" --> DTP; CP -- "Copyright License/ Pricing" --> MSO; MSO -- "$" --> CP; MSO -- "Enabling Commands" --> C; C -- "Info. for Billing" --> MSO; C -- "$" --> MSO;
```

The diagram illustrates the Music Distribution System with the following components and interactions:

- Music Distribution System Operator** (Top Center): The central hub for the system.
- Data Transmission Provider (E.G., DBS)** (Bottom Left): Provides the transmission service.
- Content Providers** (Bottom Center): Provide the music content.
- Consumers** (Bottom Right): The end users of the music.

Interactions:

- Music Distribution System Operator to Data Transmission Provider:** A downward arrow labeled with a dollar sign (\$).
- Data Transmission Provider to Consumers:** A downward arrow labeled "Blanket Transmission of *Music*".
- Content Providers to Data Transmission Provider:** A leftward arrow labeled "Content".
- Content Providers to Music Distribution System Operator:** An upward arrow labeled "Copyright License/ Pricing".
- Music Distribution System Operator to Content Providers:** A downward arrow labeled with a dollar sign (\$).
- Music Distribution System Operator to Consumers:** A downward arrow labeled "Enabling Commands".
- Consumers to Music Distribution System Operator:** An upward arrow labeled "Info. for Billing" and another upward arrow labeled with a dollar sign (\$).

FIG. 5